

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

Claim 1. (currently amended) A rotary edging wheel comprising:
a hub portion adapted for attachment to a rotary power source;
an outer circumferential cutting surface having a width, said surface including an abrasive grit attached thereto, wherein said surface is substantially planar;
a radially extending planar side portion; and
at least one swarf clearing groove extending at an angle across the entire width of said surface and opening into said planar side portion, said swarf clearing groove operable to remove swarf out through said planar side portion;
wherein said surface is operable for edge finishing of an optical lens.

Claim 2. (previously presented) The bevel edging wheel of claim 1 further comprising a plurality of swarf clearing grooves formed in said cutting surface.

Claim 3. (canceled)

Claim 4. (canceled)

Claim 5. (previously presented) The bevel edging wheel of claim 1 wherein said swarf clearing groove has an angle of from about 10 degrees to about 80 degrees.

Claim 6. (previously presented) The bevel edging wheel of claim 1 wherein said swarf clearing groove has an angle of from about 15 degrees to about 65 degrees.

Claim 7. (previously presented) The bevel edging wheel of claim 1 wherein said swarf clearing groove has an angle of from about 35 degrees to about 45 degrees.

Claim 8. (previously presented) The bevel edging wheel of claim 1 wherein the abrasive grit is attached to the wheel by a method selected from the group consisting of brazing, electroplating, sintering, resin bonding, and combinations thereof.

Claim 9. (original) The bevel edging wheel of claim 8 wherein said abrasive grit is a diamond hardness grit.

Claim 10. (currently amended) A rotary edging wheel comprising:
a hub portion adapted for attachment to a rotary power source;
an outer circumferential cutting surface having a width, said surface including an abrasive grit attached thereto, and having a circumferential groove therein for forming an edge contour onto an optical lens, wherein said surface is substantially planar;
a radially extending planar side portion; and

a plurality of swarf clearing grooves extending at an angle across the entire width of said surface and opening into said planar side portion, said swarf clearing grooves operable to remove swarf out through said planar side portion;

wherein said surface is operable for edge finishing of an optical lens.

Claim 11. (canceled)

Claim 12. (previously presented) The bevel edging wheel of claim 10 wherein said swarf clearing groove has an angle of from about 10 degrees to about 80 degrees.

Claim 13. (previously presented) The bevel edging wheel of claim 10 wherein said swarf clearing groove has an angle of from about 15 degrees to about 65 degrees.

Claim 14. (previously presented) The bevel edging wheel of claim 10 wherein said swarf clearing groove has an angle of from about 35 degrees to about 45 degrees.

Claim 15. (previously amended) The bevel edging wheel of claim 10 wherein the abrasive grit is attached to the wheel by a method selected from the group consisting of brazing, electroplating, sintering, resin bonding, and combinations thereof.

Claim 16. (original) The bevel edging wheel of claim 15 wherein said abrasive grit is a diamond hardness grit.

Claim 17. (currently amended) A rotary bevel edging wheel comprising:

- a hub portion adapted for attachment to a rotary power source;
- an outer circumferential cutting surface having a width, said surface including an abrasive grit attached thereto, and having a circumferential groove therein for forming an edge contour onto an optical lens, wherein said surface is substantially planar;
- a radially extending planar side portion; and
- a plurality of swarf clearing grooves extending across the entire width of said outer circumferential cutting surface, at an angle of from about 35 to about 45 degrees to said planar side portion and opening into said planar side portion, said swarf clearing grooves operable to remove swarf out through said planar side portion;

wherein said surface is operable for edge finishing of an optical lens.

Claim 18. (previously presented) The bevel edging wheel of claim 17 wherein the abrasive grit is attached to the wheel by a method selected from the group consisting of brazing, electroplating, sintering, resin bonding, and combinations thereof.

Claim 19. (original) The bevel edging wheel of claim 18 wherein said abrasive grit is a diamond hardness abrasive grit.

Claim 20. (original) The bevel edging wheel of claim 17, wherein said abrasive grit is a diamond grit material having a mesh of from about 5-10 microns to about 100-120 mesh.